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B. V. Bhimani , R. D. Merrill , R. P. Mitchell , M. R. Stark
Proceedings of the 1966 21st national conference January 1966
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Jean-Luc Gauvain , Lori Lamel , Gilles Adda
Communications of the ACM February 2000
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S. L. Young , A. G. Hauptmann , W. H. Ward , E. T. Smith , P. Werner
Communications of the ACM February 1989
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The authors detail an integrated system which combines natural language processing with speech understanding in the context of a problem solving dialogue. The MINDS system uses a variety of pragmatic knowledge sources to dynamically generate expectations of what a user is likely to say.

5 Technique for automatically correcting words in text   87%
Karen Kukich
ACM Computing Surveys (CSUR) December 1992
Volume 24 Issue 4
Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

6 Automatic Steno translation   85%

Raoul N. Smith
Proceedings of the annual conference August 1973
The first preliminary computer translation of machine produced stenographic notes was described in Salton 1959. Since then other approaches have been suggested but none seem to have succeeded. In the meantime the need for a solution becomes more and more pressing. The impetus for a solution is coming from two user areas—court reporting and speech recognition. The purpose of this paper is to describe the problems and solutions to the problems of automatic Steno-English trans ...

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D L. Lee , F H. Lochovsky
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Zhibiao Wu , Mark Liberman
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9 Speech synthesis for computer assisted instruction: The MISS system and its applications 80%
William R. Sanders , Gerard V. Benbassat , Robert L. Smith
The papers of the ACM SIGCSE-SIGCUE technical symposium on Computer science and education February 1976
The Institute for Mathematical Studies in the Social Sciences at Stanford (IMSSS) has developed a synthesis system, MISS (Microprogrammed Intoned Speech Synthesizer), designed to test the effectiveness of computer-generated speech in the context of complex CAI programs. No one method of computer controlled speech production is completely satisfactory for all the uses of computer-assisted instruction (CAI). The choice of synthesis method is strongly related to the kinds of curriculums and in ...

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Tanveer Syeda-Mahmood , S. Srinivasan
Proceedings of the eighth ACM international conference on Multimedia October 2000

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2 **Evaluating commercial speech recognition and DTMF technology for automated telephone banking services**
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4 **Frame-synchronous noise compensation for hands-free speech recognition in car environments**
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